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Relevance scale ☐ ☐ ☐ ☐ ☐**1** [Transcoding proxy for nonvisual web access](#)

Hironobu Takagi, Chieko Asakawa

November 2000 **Proceedings of the fourth international ACM conference on Assistive technologies**

Publisher: ACM Press

Full text available: pdf(423.61 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** Web accessibility, annotations, blind, differential, portal, transcoding**2** [A semantic transcoding system to adapt Web services for users with disabilities](#)

Anita W. Huang, Neel Sundaresan

November 2000 **Proceedings of the fourth international ACM conference on Assistive technologies**

Publisher: ACM Press

Full text available: pdf(154.74 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** Web accessibility, Web intermediaries, XML transcoding, adaptability, adaptivity, disabled users**3** [Papers: On the move: From desktop to phonetop: a UI for web interaction on very small devices](#)

Jonathan Trevor, David M. Hilbert, Bill N. Schilit, Tzu Khiau Koh

November 2001 **Proceedings of the 14th annual ACM symposium on User interface software and technology**

Publisher: ACM Press

Full text available: pdf(1.34 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

While it is generally accepted that new Internet terminals should leverage the installed base of Web content and services, the differences between desktop computers and very small devices makes this challenging. Indeed, the browser interaction model has evolved on desktop computers having a unique combination of user interface (large display, keyboard, pointing device), hardware, and networking capabilities. In contrast, Internet


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1 [Adapting to network and client variability via on-demand dynamic distillation](#)



Armando Fox, Steven D. Gribble, Eric A. Brewer, Elan Amir

 October 1996 **ACM SIGOPS Operating Systems Review , ACM SIGPLAN Notices , Proceedings of the seventh international conference on Architectural support for programming languages and operating systems ASPLOS-VII**, Volume 30 , 31 Issue 5 , 9

Publisher: ACM Press

Full text available: pdf(1.64 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The explosive growth of the Internet and the proliferation of smart cellular phones and handheld wireless devices is widening an already large gap between Internet clients. Clients vary in their hardware resources, software sophistication, and quality of connectivity, yet server support for client variation ranges from relatively poor to none at all. In this paper we introduce some design principles that we believe are fundamental to providing "meaningful" Internet access for the entire range of ...

2 [Composable ad hoc location-based services for heterogeneous mobile clients](#)



Todd D. Hodes, Randy H. Katz

 October 1999 **Wireless Networks**, Volume 5 Issue 5

Publisher: Kluwer Academic Publishers

 Full text available: pdf(403.18 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

3 [Scalable multimedia delivery for pervasive computing](#)



John R. Smith, Rakesh Mohan, Chung-Sheng Li

 October 1999 **Proceedings of the seventh ACM international conference on Multimedia (Part 1)**

Publisher: ACM Press

Full text available: pdf(1.27 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Growing numbers of pervasive devices are gaining access to the Internet and other information sources. However, much of the rich multimedia content cannot be easily handled by the client devices with limited communication, processing, storage and display capabilities. In order to improve access, we are developing a system for scalable delivery of multimedia. The system uses an InfoPyramid for managing and manipulating multimedia content composed of video, images, audio and text. The InfoPyr ...


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- 1 [Technical Papers: CREAM: creating relational metadata with a component-based, ontology-driven annotation framework](#)



Siegfried Handschuh, Steffen Staab, Alexander Maedche

 October 2001 **Proceedings of the 1st international conference on Knowledge capture K-CAP '01**

Publisher: ACM Press

Full text available: pdf(270.14 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Richly interlinked, machine-understandable data constitutes the basis for the Semantic Web. Annotating web documents is one of the major techniques for creating metadata on the Web. However, annotation tools so far are restricted in their capabilities of providing richly interlinked and truly machine-understandable data. They basically allow the user to annotate with plain text according to a template structure, such as Dublin Core. We here present CREAM (Creating RELational, Annotation-based M ...

Keywords: DAML+OIL, RDF, annotations, markup, metadata, ontology, semantic web

- 2 [Markup systems and the future of scholarly text processing](#)



James H. Coombs, Allen H. Renear, Steven J. DeRose

 November 1987 **Communications of the ACM**, Volume 30 Issue 11

Publisher: ACM Press

Full text available: pdf(1.91 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Markup practices can affect the move toward systems that support scholars in the process of thinking and writing. Whereas procedural and presentational markup systems retard that movement, descriptive markup systems accelerate the pace by simplifying mechanical tasks and allowing the authors to focus their attention on the content.

- 3 [Languages & Authoring for the Semantic Web: Authoring and annotation of web pages in CREAM](#)



Siegfried Handschuh, Steffen Staab

 May 2002 **Proceedings of the 11th international conference on World Wide Web**

Publisher: ACM Press

Full text available: pdf(764.65 KB)

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1 [Highly personalized information delivery to mobile clients](#)

 Bahattin Ozen, Ozgur Kilic, Mehmet Altinel, Asuman Dogac
 November 2004 **Wireless Networks**, Volume 10 Issue 6

Publisher: Kluwer Academic Publishers

 Full text available: pdf(924.80 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The inherent limitations of mobile devices necessitate information to be delivered to mobile clients to be highly personalized according to their profiles. This information may be coming from a variety of resources like Web servers, company intranets, email servers. A critical issue for such systems is scalability, that is, the performance of the system should be in acceptable limits when the number of users increases dramatically. Another important issue is being able to express highly perso ...

Keywords: information delivery to mobile devices, personalization, query indexing, querying XML documents, user profiles

2 [Applications: Using XForms to simplify Web programming](#)

Richard Cardone, Danny Soroker, Alpna Tiwari

 May 2005 **Proceedings of the 14th international conference on World Wide Web**
Publisher: ACM Press

 Full text available: pdf(1.03 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The difficulty of developing and deploying commercial web applications increases as the number of technologies they use increases and as the interactions between these technologies become more complex. This paper describes a way to avoid this increasing complexity by re-examining the basic requirements of web applications. Our approach is to first separate client concerns from server concerns, and then to reduce the interaction between client and server to its most elemental: parameter passing. ...

Keywords: J2EE, MVC, Web application, XForms, XMLBeans, eclipse, visual builder

3 [Papers: On the move: From desktop to phonetop: a UI for web interaction on very small devices](#)

Jonathan Trevor, David M. Hilbert, Bill N. Schilit, Tzu Khiau Koh

 November 2001 **Proceedings of the 14th annual ACM symposium on User interface software and technology**


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1 [Highly personalized information delivery to mobile clients](#)

Bahattin Ozen, Ozgur Kilic, Mehmet Altinel, Asuman Dogac

 November 2004 **Wireless Networks**, Volume 10 Issue 6

Publisher: Kluwer Academic Publishers

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Keywords: information delivery to mobile devices, personalization, query indexing, querying XML documents, user profiles

2 [Highly personalized information delivery to mobile clients](#)



Bahattin Ozen, Ozgur Kilic, Mehmet Altinel, Asuman Dogac

 May 2001 **Proceedings of the 2nd ACM international workshop on Data engineering for wireless and mobile access**

Publisher: ACM Press

 Full text available: pdf(218.98 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

The inherent limitations of mobile devices necessitate information to be delivered to mobile clients to be highly personalized according to their profiles. This information may be coming from a variety of resources like Web servers, company intranets, email servers. A critical issue for such systems is scalability, that is, the performance of the system should be in acceptable limits when the number of users increases dramatically. Another important issue is being able to express highly perso ...

Keywords: XML, XML-QL, mobile E-commerce, personalization

3 [Satchel: providing access to any document, any time, anywhere](#)



Mik Lamming, Marge Eldridge, Mike Flynn, Chris Jones, David Pendlebury

 September 2000 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 7 Issue 3